

# Modular RICH Detector 1st Beam Test

Cheuk-Ping Wong
Georgia State University
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#### **Beam Test Timeline**

04/17/2016	Arrived at FNAL
04/19/2016	Marco & Lucas arrival
04/21/2016	<ul><li>Completed experiment readiness walk</li><li>Completed detector cabling</li></ul>
04/21/2016 ~ 04/23/2016	Setup trigger and hodoscope readout
04/24/2016 ~ 04/25/2016	<ul> <li>Modular RICH Detected was installed w/o aerogel</li> <li>Commissioning DAQ with 120GeV proton beam</li> </ul>
04/26/2016	<ul> <li>Marco's aerogel was integrated in the Modular RICH detector</li> <li>First observation of Cherenkov ring from Modular RICH detector</li> </ul>
04/27/2016 ~ 04/28/2016	<ul> <li>Data taking with different configurations</li> </ul>
04/29/2016	Drove back to Atlanta



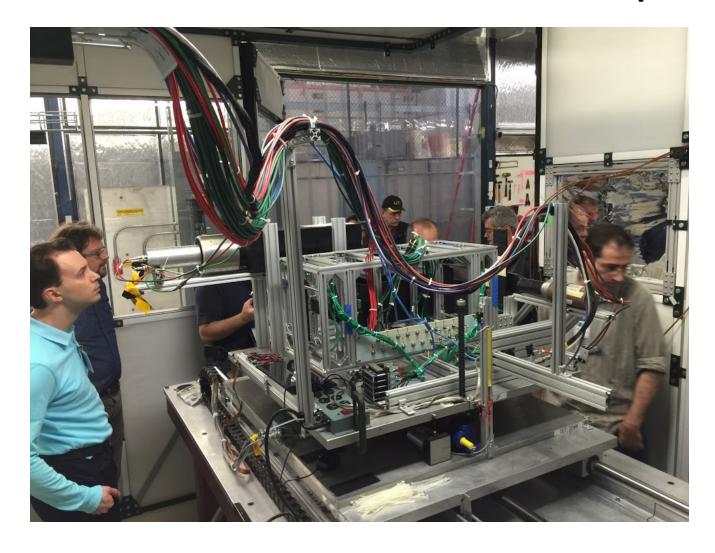
# Readout Integration







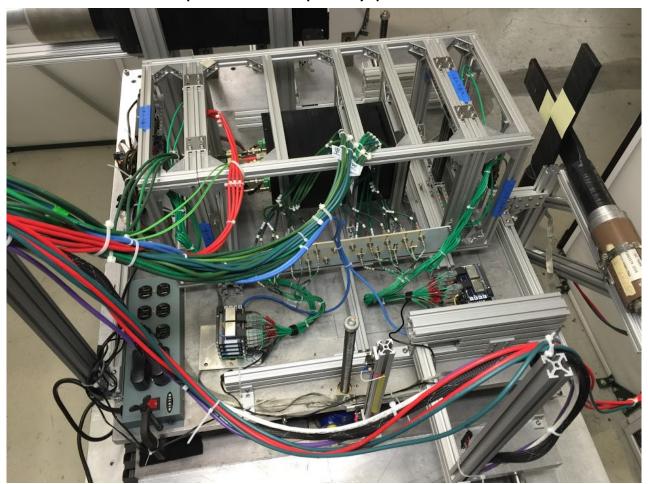
# 04/21/2016 - Initial Setup





#### **Detector Setup**

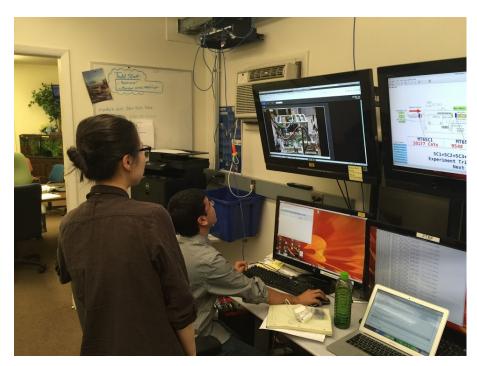
Hodoscopes with raspberry pi readouts



trigger



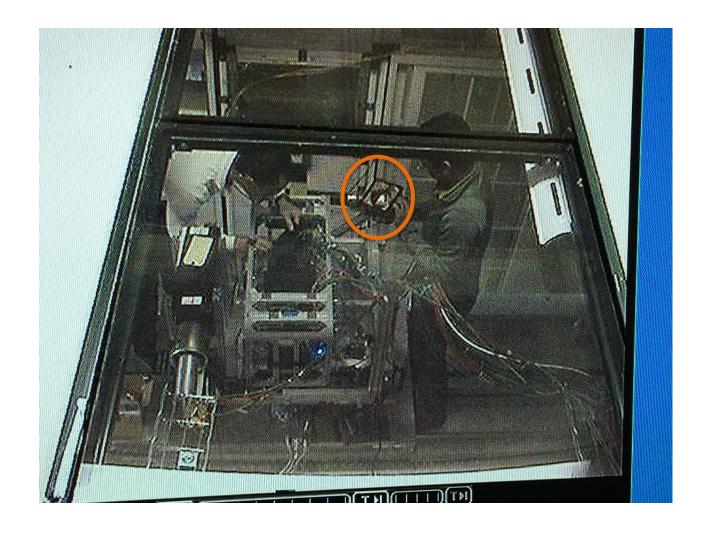
## Working in the Control Room







## Removing Mirror



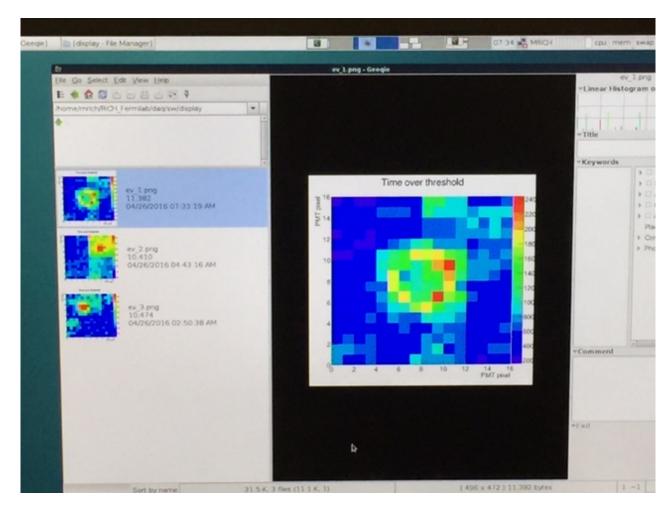


# Dissembling Setup













Simulation Launched at (x,y)=(-24,-24)mm

